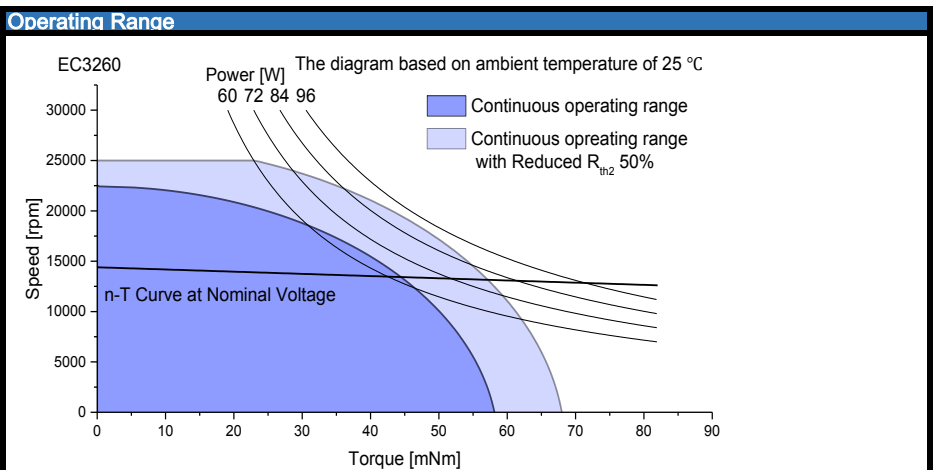


	Sensorless	EC3260L-...	1814	2414	3014	3614	4814		
	With hall sensor	EC3260S-...							
<b>Motor Data</b>									
1	Nominal voltage	V	18	24	30	36	48		
2	No load speed	rpm	13800	14400	13993	13794	14200		
3	No load current	mA	490	300	250	220	170		
4	Nominal speed	rpm	12789	13367	12993	12701	13240		
5	Nominal torque	mNm	45	45	45	45	45		
6	Nominal current	A	4,14	3,15	2,47	2,04	1,58		
7	Stall torque	mNm	614	627	630	568	666		
8	Stall current	A	50,3	40	31,3	23,2	21		
9	Max. efficiency	%	81,2	83,4	82,9	81,5	82,8		

10	Terminal resistance	Ω	0,36	0,6	0,96	1,55	2,29		
11	Terminal inductance	mH	0,1	0,16	0,26	0,39	1,83		
12	Torque constant	mNm/A	12,3	15,8	20,3	24,7	32		
13	Speed constant	rpm/V	774	605	470	387	298		
14	Speed/torque gradient	rpm/mNm	22,5	23	22,2	24,3	21,3		
15	Mechanical time constant	ms	3,6	3,7	3,6	3,94	3,46		
16	Rotor inertia	gcm <sup>2</sup>	15,5	15,5	15,5	15,5	15,5		

17	Thermal resistance housing-ambient	5 K/W
18	Thermal resistance winding-housing	4 K/W
19	Thermal time constant winding	52 s
20	Thermal time constant motor	540 s
21	Ambient temperature	-40...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	25000 rpm
24	Axial play at axial load	<8 N 0 mm >8 N max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	7.5 N
27	Max. force for press fits (static)	100 N
	(static, shaft supported)	2700 N
28	Max. radial loading, 5mm from flange	25 N
29	Number of pole pairs	1
30	Number of phases	3
31	Weight of motor	215 g



Connection		
<b>Connection A (Sensor)</b> PTFE		
Pin 1	Motor winding MB	AWG20 Green
Pin 2	Vhall 3-18 VDC	AWG26 Red
Pin 3	Hall sensor HA	AWG26 Yellow
Pin 4	Hall sensor HC	AWG26 Blue
Pin 5	Motor winding MA	AWG20 Yellow
Pin 6	Motor winding MC	AWG20 Blue
Pin 7	GND	AWG26 Black
Pin 8	Hall sensor HC	AWG26 Green
Connector Molex5557-8P		
<b>Connection B (Sensorless)</b> PTFE		
Pin 1	Motor winding MA	AWG20 Yellow
Pin 2	Motor winding MB	AWG20 Green
Pin 3	Motor winding MC	AWG20 Blue

**Configuration**

Performance: Customized in the continuous operating range

Ball bearing: Preload

Flange: Standard flange front&back/customize the flange

Shaft: Length/Diameter/Cut face/double shaft/hollow shaft

Leadwire: PVC/Silicon/Teflon/UL No/Dimension/length

Connector: JST/MOLEX/TE